Test Equipment and Link Cable Testing Training

Description

Course Outlines

Introduction to electrical equipment maintenance, testing and troubleshooting

- Why maintain and test
- Overview of electrical preventive maintenance and testing
- Planning an EPM program
- Overview of testing and troubleshooting methods
- Review of dielectric theory and practice

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Electrical safety, switching practices and precautions

- Introduction
- Electrical fire emergencies
- Effects of electrical shock
- First aid

Direct current voltage testing of electrical equipment

- Direct current voltage testing of insulation
- DC testing methods
- Transformer
- Cable and accessories
- Electrical switchgear and circuit breakers
- Motors and generators
- Evaluation of test data readings
- Precautions when making direct current test

Alternating current voltage testing methods

- Power factor and dissipation factor test methods

- Description of the power factor test equipment
- Basic test connections (test modes) for PF testing
- Safety precautions with
- PF testing PF testing of electrical apparatus insulation

Maintenance of electrical equipment

- Preventive maintenance of transformer
- Transformer testing
- Maintenance of cables
- Cable failures and their analysis
- Electrical switchgear maintenance and care
- Infrared inspection of electrical equipment
- Motor and generator maintenance
- Testing of motor and generator

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